PATENT COOPERATION TREATY

PCT

INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference	FOR FURTHER see Form PCT/ISA/220 as well as, where applicable, item 5 below.								
PCT7695-7696	Action								
International application No. PCT/JP 2005 / 001280	International filing date (day/month/year) 24.01.2005	(Earliest) Priority Date (day/month/year) 26.01.2004							
Applicant SEMICONDUCTOR ENERGY LABORATORY CO., LTD.									
This international search report has been to Article 18. A copy is being transmitted. This international search report consists	ed to the International Bureau.	prity and is transmitted to the applicant according							
It is also accompanied by a copy of each prior art document cited in this report.									
language in which it was filed, ur	nless otherwise indicated under this item.	ne basis of the international application in the							
this Authority (Rule		ii 01 the international approvident termines is							
2. Certain claims were foun	nd unsearchable (See Box II).	Ault							
3. Unity of invention is lack	ting (See Box III).	(DS 5.03)							
4. With regard to the title,									
the text is approved as sub	omitted by the applicant.	•							
the text has been established	ed by this Authority to read as follows:	·							
		佐藤 05 4.20 (癸)							
		•							
·	•								
5. With regard to the abstract,									
the text is approved as sub	omitted by the applicant.								
the text has been established	ed, according to Rule 38.2(b), by this Authorit	ty as it appears in Box No. IV. The applicant rch report, submit comments to this Authority.							
6. With regard to the drawings,	1	-							
a. the figure of the drawings to be	published with the abstract is Figure No.	1B							
as suggested by the	applicant.	***							
as selected by this A	authority, because the applicant failed to sugg								
	numbered with the electricity	zes the invention.							

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International application No.

PCT/JP2005/001280

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)					
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
2. Claims Nos.: 27 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:					
The feature of claim 27 is not referred to in the description. Therefore, claim 27 is not supported by the description as required by Article 6 PCT.					
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows: The "special technical feature" of claims 1-26 relates to "forming a first film pattern by a droplet discharge method; forming a photosensitive material over the first film pattern; forming a mask pattern by irradiating a region where the first film pattern and the photosensitive material are overlapped with a laser beam by developing; and forming a second film pattern having a desired shape by etching the first film pattern using the mask pattern as a mask", while the "special technical feature" of claims 28-31 relates to "a wiring formed by a droplet discharge method and a gate electrode which has a width of 5 micro meters or less". There is no technical relationship among those inventions involving one or more of the same or corresponding technical features. Therefore, these groups of inventions are not so linked as to form a single general inventive concept.					
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:					
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:					
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.					

INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2005/001280

J.

A. CLASSIFICATION OF SUBJECT MATTER

IntCl' H01L29/786

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl7 H01L29/786'H01L21/208 H01L21/302 H01J9/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	JP 2002-313226 A(FUJITSU LIMITED), 2002.10.25 [0021], Fig. 2, (Family:none)	15,17-20,22- 26		
A		1-14,16,21		
Y	JP 11-254237 A(SEIKO EPSON CORPORATION) 1999.09.21, [0020]-[0025], (Family:none)	15,17-20,22- 26		
·A		1-14,16,21		
x	JP 2003-258265 A(NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY), 2003.09.12, [0032]-[0035], (Family:none)	28-31		
A	JP 2001-179167 A(NEC CORPORATION), 2001.07.03 [0010]-[0018], (Family:none)	1-26		

	Further documents are listed in the continuation of Box C.			See patent fa	mily annex.			
*	* Special categories of cited documents:		later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention					
"A" document defining the general state of the art which is not considered to be of particular relevance								
"E"	"E" earlier application or patent but published on or after the international filing date		be considered novel or cannot be considered to involve an					ntion cannot involve an
"L"			inventive step when the document is taken alone "Y" document of particular relevance: the claimed inventi					
].	ted to establish the publication date of another citation or other		docui be co	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is				
"O"	document referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documer combination being obvious to a person skilled in the a		nents, such				
"P" document published prior to the international filing date but later than the priority date claimed								
Date of the actual completion of the international search		Date of mailing of the international search report						
30.03.2005		19. 4. 2005						
Nam	Name and mailing address of the ISA/JP		Authorized officer 4L 9361				9361	
	Japan Patent Office		KAZUNARI TANADA					
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +81-3-3581-1101 Ext. 3498						